



NOTES

1. CLEAR APERTURE: >90 %CA
2. WEDGE ANGLE: $0.5^\circ \pm 0.15^\circ$
3. SURFACE QUALITY (S/D) : 40/20
4. SURFACE FLATNESS (S1, S2) : $\lambda/2@632.8 \text{ nm}$
5. COATING:
 - SPLITTING COATING (S1) : $T_{\text{abs}}=50 \pm 8\%$, $R_{\text{abs}}=50 \pm 8\%$, $T_{\text{abs}}+R_{\text{abs}}>90\%$, $T_{\text{avg}}+R_{\text{avg}}>95\%$,
 $|T_{\text{p}}-T_{\text{s}}|<35\%$, $|R_{\text{p}}-R_{\text{s}}|<35\%$, 700–1100 nm, 45° AOI,
 $T_{\text{abs}}=50 \pm 3\%$, $R_{\text{abs}}=50 \pm 3\%$, 1064 nm, 45° AOI
 - AR COATING (S2) : $R_{\text{avg}}<1\%@700-1100 \text{ nm}$, 45° AOI, Single Surface
6. ARROW POINTS TO THE SPLITTING COATING

DRAWING PROJECTION			LBTEK			
NAME	DATE	BS2255-1064-SP				
DRAWN	SHAN	SEP./11th/25	FLAT BEAM SPLITTER			
APPROVAL	WCHENG	SEP./11th/25	MATERIAL	WEIGHT	SCALE	REV
FOR INFORMATION ONLY NOT FOR MANUFACTURING PURPOSES			UVFS	4.46g	2:1	B